

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under

Reexamination  
MILLS, RANDELL L.

Examiner

Wayne A. Langel

Art Unit

1754

Page 1 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US- -			
	B	US- -			
	C	US- -			
	D	US- -			
	E	US- -			
	F	US- -			
	G	US- -			
	H	US- -			
	I	US- -			
	J	US- -			
	K	US- -			
	L	US- -			
	M	US- -			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	- -				
	O	- -				
	P	- -				
	Q	- -				
	R	- -				
	S	- -				
	T	- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Arfken, G. (1970) Mathematical Methods For Physicists, 2nd ed., Academic Press, New York..
	V	Baard, E. (1999) Dow Jones Newswires, October 6 reprint.
	W	Bethe, H. A. and Salpeter, E. E. (1977) Quantum Mechanics Of One- And Two-Electron Atoms, Plenum Publishing Corporation, New York..
	X	Feynman, R. P., Leighton, R. B. and Sands, M. (1965) The Feynman Lectures On Physics, vol. III, Quantum Mechanics, Addison-Wesley Publishing Company, Reading, Massachusetts.

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 2 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-	-			
B	US-	-			
C	US-	-			
D	US-	-			
E	US-	-			
F	US-	-			
G	US-	-			
H	US-	-			
I	US-	-			
J	US-	-			
K	US-	-			
L	US-	-			
M	US-	-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	-	-				
O	-	-				
P	-	-				
Q	-	-				
R	-	-				
S	-	-				
T	-	-				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U		Fine, A. (1986) The Shaky Game: Einstein, Realism, and the Quantum Theory, 2nd ed., The University of Chicago Press, Chicago.
V		Hansen, L. D. et al. (1995) "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in "cold fusion" cells," Journal of Physical Chemistry, vol. 99, no. 18, pp. 6973-6979 (Paper I).
W		Hansen, L. D. et al. (1997) "An assessment of claims to 'excess heat' in 'cold fusion' calorimetry," Thermochimica Acta, vol. 297, pp. 7-15 (Paper II).
X		Hansen, L. D. et al. (1998) "A response to hydrogen + oxygen recombination and related heat generation in undivided electrolysis cells," Journal of Electroanalytical Chemistry, vol. 447, pp. 225-226 (Paper III).

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/1009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 3 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-	-			
B	US-	-			
C	US-	-			
D	US-	-			
E	US-	-			
F	US-	-			
G	US-	-			
H	US-	-			
I	US-	-			
J	US-	-			
K	US-	-			
L	US-	-			
M	US-	-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N		- -				
O		- -				
P		- -				
Q		- -				
R		- -				
S		- -				
T		- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U		Hayashi, S. et al. (1997) "Accurate determination of 1H Knight shifts in Mg2NiHx and MgHx by means of high-speed magic angle spinning," Journal of Alloys and Compounds, vol. 248, pp. 66-69 (Paper A).
V		Hayashi, S. et al. (1997) "1H NMR and magnetization measurements of a nanostructured composite material of the Mg2Ni-H system synthesized by reactive mechanical grinding," Journal of Alloys and Compounds, vol. 256, pp. 159-165 (Paper B).
W		Hayashi, S. et al. (1997) "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by 1H and 2H nuclear magnetic resonance," Journal of Alloys and Compounds, vol. 261, pp. 145-149 (Paper C).
X		Heisenberg, W. (1927) "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik," Zeitschrift für Physik, vol. 43, pp. 172-198. (For an English translation of this paper see Wheeler and Zurek (1983) cited below.)

"A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign."

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 4 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-	-			
B	US-	-			
C	US-	-			
D	US-	-			
E	US-	-			
F	US-	-			
G	US-	-			
H	US-	-			
I	US-	-			
J	US-	-			
K	US-	-			
L	US-	-			
M	US-	-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	-	-				
O	-	-				
P	-	-				
Q	-	-				
R	-	-				
S	-	-				
T	-	-				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U		Heitler, W. (1984) The Quantum Theory Of Radiation, 3rd ed., Dover Publications, Inc., New York.
V		Jackson, J. D. (1975) Classical Electrodynamics, 2nd ed., John Wiley and Sons, New York.
W		Jeffreys, H. and Jeffreys, B. S. (1950) Methods Of Mathematical Physics, Cambridge University Press, Great Britain.
X		Kleppner, D. and Jackiw, R. (2000) "One Hundred Years of Quantum Physics," Science, vol. 289, pp. 893-898.

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/1009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 5 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US- -			
	B	US- -			
	C	US- -			
	D	US- -			
	E	US- -			
	F	US- -			
	G	US- -			
	H	US- -			
	I	US- -			
	J	US- -			
	K	US- -			
	L	US- -			
	M	US- -			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	- -				
	O	- -				
	P	- -				
	Q	- -				
	R	- -				
	S	- -				
	T	- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Kolos, W. and Roothaan, C. C. J. (1960) "Accurate Electronic Wave Functions for the H <sub>2</sub> Molecule," Reviews of Modern Physics, vol. 32, no. 2, pp. 219-232.
	V	Kolos, W. and Wolniewicz, L. (1964) "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule," Journal of Chemical Physics, vol. 41, no. 12, pp. 3663-3673 (Paper I).
	W	Kolos, W. and Wolniewicz, L. (1968) "Improved Theoretical Ground-State Energy of the Hydrogen Molecule," Journal of Chemical Physics, vol. 49, no. 1, pp. 404-410 (Paper II).
	X	Margenau, H. and Murphy, G. M. (1943) The Mathematics Of Physics And Chemistry, D. Van Nostrand Company, New York.

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Lange

Art Unit

1954

Page 6 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-	-			
B	US-	-			
C	US-	-			
D	US-	-			
E	US-	-			
F	US-	-			
G	US-	-			
H	US-	-			
I	US-	-			
J	US-	-			
K	US-	-			
L	US-	-			
M	US-	-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N		- -				
O		- -				
P		- -				
Q		- -				
R		- -				
S		- -				
T		- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Merzbacher, E. (1961) Quantum Mechanics, John Wiley & Sons, New York.
	V	Messiah, A. (1958) Quantum Mechanics, vol. I, North-Holland Publishing Co., Amsterdam and John Wiley & Sons, New York.
	W	Pauling, L. and Wilson, Jr., E. B. (1985) Introduction To Quantum Mechanics With Applications To Chemistry, Dover — Publications, Inc., New York.
	X	Schiff, L. I. (1968) Quantum Mechanics, 3rd ed., McGraw-Hill Book Company, New York ✓

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)  
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under

Reexamination

MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 7 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-	-			
B	US-	-			
C	US-	-			
D	US-	-			
E	US-	-			
F	US-	-			
G	US-	-			
H	US-	-			
I	US-	-			
J	US-	-			
K	US-	-			
L	US-	-			
M	US-	-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N		- -				
O		- -				
P		- -				
Q		- -				
R		- -				
S		- -				
T		- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U		Shkedi, Z., McDonald, R. C., Breen, J. J., Maguire, S. J. and Veranth, J. (1995) Fusion Technology, vol. 28, pp. 1720-1731.
V		Srianand, R., Petitjean, P. and Ledoux, C. (2000) "The cosmic microwave background radiation temperature at a redshift of 2.34," Nature, vol. 408, pp. 931-935.
W		Tegmark, M. and Wheeler, J. A. (2001) "100 Years of Quantum Mysteries," Scientific American, pp. 68-75.
X		Tolman, R. C. (1979) The Principles Of Statistical Mechanics, Dover Publications, Inc., New York.

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

09/009837

Applicant(s)/Patent Under  
Reexamination  
MILLS, RANDELL L.

Examiner

Langel

Art Unit

1754

Page 8 of 8

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US- -			
	B	US- -			
	C	US- -			
	D	US- -			
	E	US- -			
	F	US- -			
	G	US- -			
	H	US- -			
	I	US- -			
	J	US- -			
	K	US- -			
	L	US- -			
	M	US- -			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	- -				
	O	- -				
	P	- -				
	Q	- -				
	R	- -				
	S	- -				
	T	- -				

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Wheeler, J. A. and Zurek, W. H., editors (1983) Quantum theory and measurement, Princeton University Press, Princeton, New Jersey. (English translation of Heisenberg's 1927 Uncertainty Principle paper cited above.)
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP, § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.